



PROCEEDINGS

BeeDoc/COLOSS Workshop in Honey bee Genetics

Murcia, Spain, 06- 07 February 2012

organized by University of Murcia (Dr. Pilar De la Rúa)



PROGRAMME

Monday 06.02

09:00 -10:00 **Population Genetics of the honeybee 1**

10:00 – 10:15 Coffee break

10:15 -11:15 **Population Genetics of the honeybee 2**

Prof. Dr. Robin F. A. Moritz
 Institute for Biology, Martin-Luther-University Halle-Wittenberg,
 Hoher Weg 4, 06099 Halle a.d. Saale, Germany

11:30 -12:15 **Biogeography of the honey bee races**

Dr. Pilar de la Rúa
 Department of Zoology and Physical Anthropology, Veterinary
 Faculty,
 University of Murcia, 30100 Spain

12:15-14:00 Lunch break

Practical laboratory training:

14:00-14:15 Introduction to sampling schemes

14:30-19:00 (3 or 4 groups in parallel)

- DNA extraction
- PCR (Microsatellites + mtDNA)
- Gel electrophoresis

Tuesday 07.02.

09:00 -10:00 **The MLPA diagnostic tool: a practical and step by step training**

Dr. Lina De Smet,
 Department of Physiology, Laboratory of Zoophysiology, K.L.
 Ledeganckstraat 35, 9000 GENT

10:00 – 10:15 Coffee break

10:15 -11:15 **QTL mapping in Honeybees (Kraus, B)**

Prof. Dr. Robin F. A. Moritz
 Institute for Biology, Martin-Luther-University Halle-Wittenberg,
 Hoher Weg 4, 06099 Halle a.d. Saale, Germany

11:30 -12:15 **Breeding for disease resistance in honeybees**

Prof. Dr. Robin F. A. Moritz
 Institute for Biology, Martin-Luther-University Halle-Wittenberg,
 Hoher Weg 4, 06099 Halle a.d. Saale, Germany

12:15-14:00 Lunch break

- 14:00 -15:00 **Results and aproaches on honey bee gene expression**
Dr. Yves Le Conte
Abeilles et Environnement
Inra PACA
Domaine Saint-Paul, Site Agroparc, 84914 Avignon (France)
- 15:00- 15:30 Coffee break
- 15:30-16:30 **RAD sequencing: SNP genotyping by nextgen sequencing**
Prof. Dr. Robert Paxton
Institute for Biology, Martin-Luther-University Halle-Wittenberg,
Hoher Weg 4, 06099 Halle a.d. Saale, Germany

Participants:

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